ACS

A **Xerox** Company

12410 MILESTONE CENTER DR. 4TH FLOOR GERMANTOWN, MD 20876

PROJECT DESCRIPTION

<u>GENERAL</u>

THIS PROJECT INVOLVES THE INSTALLATION OF RED LIGHT CAMERA EQUIPMENT TO THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 355 (WISCONSIN AVE) NB AND MONTGOMERY AVE.

LANES MONITORED - 3 THRU, AND 1 DEDICATED RIGHT

INTERSECTION OPERATION

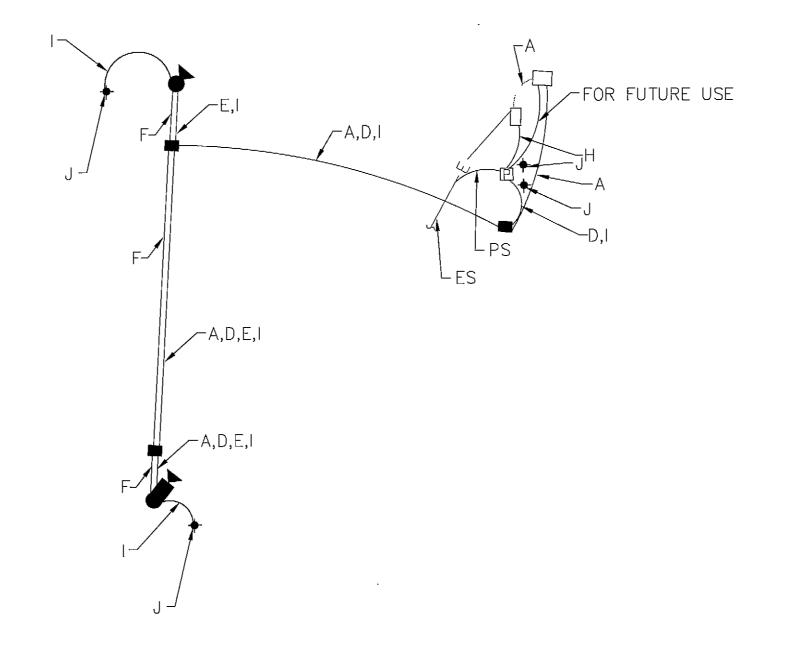
THE INTERSECTION OPERATION WILL REMAIN UNCHANGED.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE SHA NONE

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

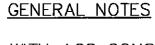
QUANTITY UNITS DESCRIPTION LUMP SUM LS MAINTENANCE OF TRAFFIC LUMP SUM LS MOBILIZATION 2 CY TEST PIT EXCAVATION 1 EA RLCS-1 CAMERA ASSEMBLY 2 EA RLCS-1 FLASH ASSEMBLY 2 EA SENSYS RECEIVER ASSEMBLY	
1 EA RLCS-1 CAMERA ASSEMBLY	
2 EA SENSYS RECEIVER ASSEMBLY 1 EA 10' PEDESTAL POLE 1 EA 14' PEDESTAL POLE 1 EA 100 AMP METER SERVICE PEDESTAL WITH BYPASS SWITCH AS SHOWN 3 EA #5 PULL BOXES	
265 LF 2 IN PVC CONDUIT (SCHEDULE 80) — TRENCHED	
185 LF 115 V POWER SIGNAL PHASE—7 CONDUCTOR. ELECTRICAL CABLE (NO. 14 AWG)	
4 EA GROUND ROD — 3/4 IN. X 10 FT. LENGTH	
185 LF POWER (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, AND GROUND)	
250 LF CAT 5e SHIELDED (BELDEN 7919A OR EQ.) 100 LF 115 V POWER 4 CONDUCTOR ELECTRICAL CABLE (NO. 14 AW 185 LF STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG) 25 LF (3) 1-CONDUCTOR CABLE (NO. 8 AWG) 2.75 CY CONCRETE FOR PEDESTAL POLE FOUNDATIONS (1) 3" PVC 90, (1) 2" PVC 90 AND (1) 1" PVC 90 EACH	WG)



WIRING KEY

- A 7-CONDUCTOR CABLE (NO. 14 AWG ALL LANES
- 7-CONDUCTOR CABLE (NO. 14 AWG)LEFT HAND TURN LANE-NOT USED
- COMCAST TO PROVIDE CABLE-NOT USED
- (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, GROUND)
- (2) 4-CONDUCTOR CABLE (NO. 14 AWG)
- (4) CAT 5e SHIELDED (BELDEN 7919a OR EQ.)
- H (3) 1-CONDUCTOR CABLE (NO. 8 AWG)
- STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
- PROPOSED GROUND ROD 3/4 IN. X 10 FT. LENGTH
- PS PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY PEPCO
- ES EXISITNG UNDERGROUND ELECTRICAL SERVICE

NOTE: ALL CAT 5E CABLE TERMINATIONS WILL REQUIRE SENTINEL 106S08080058C34 ENDS AND A SENTINEL 90007 RATCHET HAND TOOL



- 1. THE CONTRACTOR SHALL VERIFY WITH ACS CONSTRUCTION MANAGER AND SHA INSPECTOR ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION
- 2. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF RED LIGHT EQUIPMENT.
- 3. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
- 4. THE CONTRACTOR IS TO BE AWARE THAT THE SHA HAS EXISTING UNDERGROUND CONDUITS, TRAFFIC SIGNAL INTERCONNECT CABLES AND ROADS SIGN IN THE VICINITY OF PROPOSED EQUIPMENT. ANY DAMAGE TO THESE FACILITY'S AS A RESULT OF THE CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR HIS CLIENT TO REPAIR OR REPLACE.
- 5, CONTACT MONTGOMERY COUNTY SIGNAL SHOP (301-279-1291) AT LEAST 72 HOURS IN ADVANCE OF PROPOSED WORK TO ARRANGE FOR CABINET WIRING
- * MONTGOMERY COUNTY ENGINEER KAMAL HAMUD 240-777-8761 * MONTGOMERY COUNTY TECHNICIAN SUPERVISOR RDBERT RICKETS 240-876-3681
- 6. CONTACT SHA TRAFFIC CONTROL DEVICE INSPECTION SECTION AT LEAST 72 HOURS IN ADVANCE OF ANY WORK TO ARRANGE FOR INSPECTION SERVICES
- * SHA INSPECTION TEAM LEADER ADRIAN PUGH 410-787-7645

Red Light Camera BW313M83 MD 355 @ Montgomery Avenue



STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFC SIGNAL PLAN

MD 355 (WISCONSIN AVE) NB AND MONTGOMERY AVE

7,0,1.0		() 1	
APPROVALS	REVISIONS		
		SCALE NONE ADVERTISED DATE	CONTRACT NO.
M LEADER		DESIGNED BY COUN	TY MONTGOMERY
ST. DIV. CHIEF	_	DRAWN BYLOGMI	LE
		CHECKED BY TIMS	NO
ISION CHIEF	A RED LIGHT CAMERA INSTALLATION TIMS # L445 07/17/2012	F.A.P. NO TOD NO	
FICE DIRECTOR	_	DRAWING NO. 10435 - OF	SHEET NO. 2 OF 2